



**United States Environmental Protection Agency
Region 9 Laboratory**

**1337 S. 46th Street Building 201
Richmond, CA 94804**

Date: 2/15/2012

Subject: Analytical Testing Results - Project R33911
SDG: 12037A

From: Brenda Bettencourt, Director
EPA Region 9 Laboratory
MTS-2

To: Richard Fetzer
US EPA Region 3, Eastern Response Branch
3HS31

Attached are the results from the analysis of samples from the **Dimock Residential Groundwater** project. These data have been reviewed in accordance with EPA Region 9 Laboratory policy.

A full documentation package for these data, including raw data and sample custody documentation, is on file at the EPA Region 9 Laboratory. If you would like to request additional review and/or validation of the data, please contact Eugenia McNaughton at the Region 9 Quality Assurance Office.

If you have any questions, please ask for Richard Bauer, the Lab Project Manager at (510)412-2300.

Analyses included in this report:

Extractable Petroleum Hydrocarbons by
GC/FID



United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Richard Fetzer

Project Number: R33911

Project: Dimock Residential Groundwater

US EPA Region 3, Eastern Response Branch

100 Gypsum Road

Stroudsburg PA, 18360

SDG: 12037A

Reported: 02/15/12 16:41

ANALYTICAL REPORT FOR SAMPLES

Sample ID	Laboratory ID	Matrix	Date Collected	Date Received
HW40	1202013-01	Water	02/02/12 15:39	02/04/12 15:35
HW40-P	1202013-02	Water	02/02/12 15:44	02/04/12 15:35
HW41	1202013-03	Water	02/02/12 16:12	02/04/12 15:35
HW41-P	1202013-04	Water	02/02/12 15:54	02/04/12 15:35
HW28a	1202013-06	Water	02/03/12 11:49	02/04/12 15:35
HW28a-P	1202013-07	Water	02/03/12 11:52	02/04/12 15:35
HW39	1202013-08	Water	02/03/12 10:42	02/04/12 15:35
HW39-P	1202013-09	Water	02/03/12 11:13	02/04/12 15:35
FB10	1202014-01	Water	02/03/12 14:09	02/06/12 09:15
HW09	1202014-02	Water	02/03/12 15:20	02/06/12 09:15
HW09-P	1202014-03	Water	02/03/12 15:16	02/06/12 09:15
HW28b-P	1202014-04	Water	02/03/12 14:27	02/06/12 09:15

SDG ID 12037A

Extractable Petroleum Hydrocarbons:

Insufficient sample volume was provided to perform matrix spike / matrix spike duplicate (MS/MSD) analysis on any samples for this sample delivery group.

Work Order(s)

1202013

1202014



United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Richard Fetzter

Project Number: R33911

Project: Dimock Residential Groundwater

US EPA Region 3, Eastern Response Branch

**100 Gypsum Road
Stroudsburg PA, 18360**

SDG: 12037A

Reported: 02/15/12 16:41

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1202013-01						Water - Sampled: 02/02/12 15:39			
Sample ID: HW40						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	240	ug/L	B2B0017	02/06/12	02/07/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	950	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		83 %		60-127%		"	"	"	
Lab ID: 1202013-02						Water - Sampled: 02/02/12 15:44			
Sample ID: HW40-P						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0017	02/06/12	02/07/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		87 %		60-127%		"	"	"	
Lab ID: 1202013-03						Water - Sampled: 02/02/12 16:12			
Sample ID: HW41						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0017	02/06/12	02/07/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		88 %		60-127%		"	"	"	
Lab ID: 1202013-04						Water - Sampled: 02/02/12 15:54			
Sample ID: HW41-P						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0017	02/06/12	02/07/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		82 %		60-127%		"	"	"	
Lab ID: 1202013-06						Water - Sampled: 02/03/12 11:49			
Sample ID: HW28a						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0017	02/06/12	02/07/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		83 %		60-127%		"	"	"	
Lab ID: 1202013-07						Water - Sampled: 02/03/12 11:52			
Sample ID: HW28a-P						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0017	02/06/12	02/07/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		88 %		60-127%		"	"	"	
Lab ID: 1202013-08						Water - Sampled: 02/03/12 10:42			
Sample ID: HW39						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0017	02/06/12	02/07/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		85 %		60-127%		"	"	"	
Lab ID: 1202013-09						Water - Sampled: 02/03/12 11:13			



United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone: (510) 412-2300 Fax: (510) 412-2302

Project Manager: Richard Fetzer
Project Number: R33911
Project: Dimock Residential Groundwater

US EPA Region 3, Eastern Response Branch
100 Gypsum Road
Stroudsburg PA, 18360

SDG: 12037A
Reported: 02/15/12 16:41

Sample Results

Analyte	Reanalysis / Extract	Result	Qualifiers / Comments	Quantitation Limit	Units	Batch	Prepared	Analyzed	Method
Lab ID: 1202013-09						Water - Sampled: 02/03/12 11:13			
Sample ID: HW39-P						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0017	02/06/12	02/07/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		96 %		60-127%		"	"	"	
Lab ID: 1202014-01						Water - Sampled: 02/03/12 14:09			
Sample ID: FB10						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0017	02/06/12	02/07/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		91 %		60-127%		"	"	"	
Lab ID: 1202014-02						Water - Sampled: 02/03/12 15:20			
Sample ID: HW09						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	240	ug/L	B2B0017	02/06/12	02/07/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	950	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		94 %		60-127%		"	"	"	
Lab ID: 1202014-03						Water - Sampled: 02/03/12 15:16			
Sample ID: HW09-P						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0017	02/06/12	02/07/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		86 %		60-127%		"	"	"	
Lab ID: 1202014-04						Water - Sampled: 02/03/12 14:27			
Sample ID: HW28b-P						Extractable Petroleum Hydrocarbons by EPA Method 8015B			
TPH - Diesel Range Organics		ND	U	250	ug/L	B2B0017	02/06/12	02/07/12	8015C/SOP385
TPH - Oil Range Organics		ND	U	1,000	"	"	"	"	8015C/SOP385
<i>Surrogate: Hexacosane</i>		75 %		60-127%		"	"	"	



United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Richard Fetzter
Project Number: R33911
Project: Dimock Residential Groundwater

US EPA Region 3, Eastern Response Branch
100 Gypsum Road
Stroudsburg PA, 18360

SDG: 12037A
Reported: 02/15/12 16:41

Quality Control

Analyte	Result	Qualifiers / Comments	Quantitation Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit
---------	--------	--------------------------	-----------------------	-------	----------------	------------------	------	----------------	-----	--------------

Batch B2B0017 - 3520C CLLE - TPH - Extractable

Prepared: 02/06/12 **Analyzed:** 02/07/12

Extractable Petroleum Hydrocarbons by EPA Method 8015B - Quality Control

Blank (B2B0017-BLK1)

TPH - Diesel Range Organics	ND	U	250	ug/L						
TPH - Oil Range Organics	ND	U	1,000	"						

Surrogate: Hexacosane	146			"	150		97	60-127		
-----------------------	-----	--	--	---	-----	--	----	--------	--	--

LCS (B2B0017-BS1)

TPH - Diesel Range Organics	1,190		250	ug/L	1500		79	54-115		200
-----------------------------	-------	--	-----	------	------	--	----	--------	--	-----

Surrogate: Hexacosane	129			"	150		86	60-127		
-----------------------	-----	--	--	---	-----	--	----	--------	--	--

Batch B2B0026 - 3520C CLLE - TPH - Extractable

Prepared: 02/07/12 **Analyzed:** 02/09/12

Extractable Petroleum Hydrocarbons by EPA Method 8015B - Quality Control

Blank (B2B0026-BLK1)

TPH - Diesel Range Organics	ND	U	250	ug/L						
TPH - Oil Range Organics	ND	U	1,000	"						

Surrogate: Hexacosane	123			"	150		82	60-127		
-----------------------	-----	--	--	---	-----	--	----	--------	--	--

LCS (B2B0026-BS1)

TPH - Diesel Range Organics	1,200		250	ug/L	1500		80	54-115		200
-----------------------------	-------	--	-----	------	------	--	----	--------	--	-----

Surrogate: Hexacosane	130			"	150		86	60-127		
-----------------------	-----	--	--	---	-----	--	----	--------	--	--



United States Environmental Protection Agency
Region 9 Laboratory

1337 S. 46th Street, Building 201, Richmond, CA 94804
Phone:(510) 412-2300 Fax:(510) 412-2302

Project Manager: Richard Fetzer

Project Number: R33911

Project: Dimock Residential Groundwater

US EPA Region 3, Eastern Response Branch

100 Gypsum Road

Stroudsburg PA, 18360

SDG: 12037A

Reported: 02/15/12 16:41

Qualifiers and Comments

U Not Detected

NR Not Reported

RE1, RE2, etc: Result is from a sample re-analysis.